

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all previous claims, and listings of claims, in the application.

1. (Currently Amended) A fuel-saving management system comprising, on a motor vehicle:

an information detection device means ~~(11, 12, 13, 14, 15, 16, 17, 18, 19, 20)~~ for detecting information (S, E, A, F) on a running state of the vehicle;

an information-processing device means ~~(3)~~ for processing the information detected by the information detection device means, the information-processing device means also generating a warning when the processed information (A, dA, B, E, F, S, dS, Ti, Tt) satisfies required warning conditions (A1, A2, dA2, B2, E1, S2, dS2, Ti3, Tt2); and

an information storage device means ~~(4)~~ for storing the processed information;

wherein, when a time (Ta1, Ta2, Tda, Tb, Tds, Te, Ts0, Ts2) during which the processed information is maintained to satisfy the required warning conditions or an elapsed time (Ti, Tt) of the processed information exceeds a previously set time (T11, T12, T21, T22, T23, T24, T25, T26, T31), the information-processing device means stores the occurrence of the overtime event into the information storage device, means

wherein the processed information includes processed general-road information and processed highway/expressway information,

wherein the processed general-road information includes either a vehicle speed, an engine speed, an accelerator angle, or an elapsed idling time, or a combination of any two thereof, and

wherein the information-processing device detects a fuel flow rate as information on the running state of the vehicle, and generates the warning on the engine speed when the fuel flow rate exceeds a previously set value.

2. (Currently Amended) A fuel-saving management system comprising, on a motor vehicle:

an information detection device ~~means (11, 12, 13, 14, 15, 16, 17, 18, 19, 20) for detecting~~ information (S, ~~E, A, F~~) on a running state of the vehicle; and

an information-processing device ~~means (3) for processing the information detected by the~~ information detection device ~~means~~, the information-processing device ~~means~~ also generating a warning when the processed information (A, ~~dA, B, E, F, S, dS, Ti, Tt~~) satisfies required warning conditions (A1, A2, ~~dA2, B2, E1, S2, dS2, Ti3, Tt2~~); and

an information storage device storing the processed information;

wherein, when a time during which the processed information is maintained to satisfy the required warning conditions or an elapsed time of the processed information exceeds a previously set time, the information-processing device stores the occurrence of the overtime event into the information storage device,

~~wherein the system further has, on the vehicle, a setter (21) adapted such that the required warning conditions can be modified~~

wherein the processed information includes processed general-road information and processed highway/expressway information,

wherein the processed highway/expressway information includes either a vehicle speed, an accelerator angle change, a vehicle speed change, a top-gear non-operation elapsed time, or an auxiliary brake usage ratio, or a combination of any two thereof, and

wherein the information-processing device detects an accelerator angle as information on the running state of the vehicle, and generates the warning on the vehicle speed when the accelerator angle exceeds a previously set value.

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (New) A fuel-saving management system comprising, on a motor vehicle:

an information detection device detecting vehicle speed, engine speed and a fuel flow rate, as information on a running state of the vehicle;

an information-processing device processing the information detected by the information detection device, the information-processing device also generating a warning when the vehicle speed and the accelerator angle satisfies required warning conditions;

an information storage device storing count values;

wherein the required warning conditions indicate all of (a), (b) and (c) below:

(a) when the engine speed exceeds required warning value;

(b) either when the vehicle speed drops below a previously set value; or

when the vehicle speed exceeds a previously set value and a time during which the vehicle speed exceeds the previously set value is less than or equal to a previously set time; and

(c) when a fuel flow rate exceeds a previously set value;

wherein the information-processing device counts an occurrence of the overtime event and stores count value into the information storage device when a time during which the processed information is maintained to satisfy the required warning conditions exceeds a previously set time.

26. (New) A fuel-saving management system comprising, on a motor vehicle:

- an information detection device detecting a vehicle speed and an accelerator angle;
- an information-processing device processing the information detected by the information detection device, the information-processing device also generating a warning when the vehicle speed and the accelerator angle satisfies required warning conditions;
- an information storage device storing count values;

wherein required warning conditions indicate all of:

- when the vehicle speed exceeds required warning value;
- when the vehicle speed exceeds the required value; and
- when the accelerator angle exceeds a previously set value;

wherein the information-processing device counts the occurrence of the overtime event and stores count value into the information storage device when a time during which the processed information is maintained to satisfy the required warning conditions exceeds a previously set time.